

GenCore version 5.1.6
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Score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

| SUMMARIES | | | | | | |
|------------|--------|-------------|--------|-------------|--------------------|-------------------------------|
| Result No. | Score | Query Match | Length | DB ID | Description | |
| 1 | 1586.4 | 99.2 | 1607 | 9 HSA534330 | AJ534330 Homo sapi | |
| 2 | 1580.4 | 98.8 | 1607 | 9 AF49325 | AF49325 Homo sapi | |
| 3 | 1549.4 | 96.9 | 1563 | 6 AX478514 | AX478514 Sequence | |
| 4 | 1549.4 | 96.9 | 1563 | 9 AY129151 | AY129151 Homo sapi | |
| 5 | 1365.4 | 85.4 | 1476 | 9 AY129152 | AY129152 Homo sapi | |
| 6 | 1354.2 | 84.7 | 1476 | 6 AX478497 | AX478497 Sequence | |
| 7 | 1316 | 82.3 | 1476 | 9 HSAS34331 | AJ534331 Homo sapi | |
| 8 | 1086.8 | 68.0 | 1560 | 6 AX478524 | AX478524 Sequence | |
| 9 | 916.2 | 57.3 | 1473 | 6 AX478499 | AX478499 Sequence | |
| C | 10 | 794.4 | 49.7 | 9 AL590693 | AL590693 Human DNA | |
| 11 | 783.8 | 49.0 | 1608 | 10 AX184376 | AX184376 Mus muscu | |
| 12 | 609.4 | 38.1 | 1922 | 6 AX478528 | AX478528 Sequence | |
| 13 | 607.4 | 38.1 | 1922 | 6 AX478518 | AX478518 Sequence | |
| 14 | 498 | 31.1 | 674 | 6 AX478516 | AX478516 Sequence | |
| 15 | 498 | 31.1 | 674 | 9 AY19153 | AY19153 Homo sapi | |
| 16 | 498 | 31.1 | 704 | 6 AX49167 | AX49167 Sequence | |
| 17 | 351.2 | 22.0 | 633 | 6 AX778525 | AX778525 Sequence | |
| 18 | 335.4 | 21.0 | 374 | 6 AX059744 | AX059744 Sequence | |
| 19 | 326.6 | 20.4 | 16551 | 10 AL662911 | AL662911 Mouse DNA | |
| C | 20 | 297 | 18.6 | 214062 | 2 ACT23354 | ACT23354 Rattus no |
| C | 21 | 297 | 18.6 | 268510 | 2 AC095840 | AC095840 Rattus no |
| C | 22 | 165 | 10.3 | 392 | 6 AX070906 | AX070906 Sequence |
| C | 23 | 163.4 | 10.2 | 382 | 6 AX070806 | AX070806 Sequence |
| C | 24 | 69.4 | 4.3 | 321 | 10 RN023090 | RN023090 Rattus no |
| C | 25 | 65 | 4.1 | 125020 | 9 AF429315 | AF429315 Homo sapi |
| C | 26 | 57.8 | 3.6 | 125020 | 9 AF429315 | AF429315 Homo sapi |
| C | 27 | 49.4 | 3.6 | 125020 | 2 AC119792 | AC119792 Rattus no |
| C | 28 | 49.2 | 3.1 | 213335 | 2 AC141961 | AC141961 Rattus no |
| C | 29 | 48.8 | 3.1 | 242385 | 3.1 AC0335 | AC0335 Rattus no |
| C | 30 | 47.4 | 3.0 | 2000 | 6 AX655393 | AX655393 Sequence |
| C | 31 | 47.4 | 3.0 | 230498 | 2 AC111813 | AC111813 Rattus no |
| C | 32 | 47.2 | 3.0 | 110000 | 2 AC141941_1 | AC141941_1 Continuation (2 of |
| C | 33 | 47.2 | 3.0 | 176789 | 2 AC032013 | AC032013 Mus muscu |
| C | 34 | 47.2 | 3.0 | 217092 | 10 AL59098 | AL59098 Mouse DNA |
| C | 35 | 47 | 2.9 | 22702 | 2 AC128501 | AC128501 Rattus no |
| C | 36 | 46.8 | 2.9 | 227182 | 2 AC099283 | AC099283 Rattus no |
| C | 37 | 46.6 | 2.9 | 243648 | 2 AC128576 | AC128576 Rattus no |
| C | 38 | 46.2 | 2.9 | 216511 | 2 AC123662 | AC123662 Mus muscu |
| C | 39 | 46 | 2.9 | 242857 | 2 AC096180 | AC096180 Rattus no |
| C | 40 | 45.8 | 2.9 | 260809 | 2 AC126820 | AC126820 Rattus no |
| C | 41 | 45.8 | 2.9 | 286135 | 2 AC112570 | AC112570 Rattus no |
| C | 42 | 45.8 | 2.8 | 282998 | 2 AC109723 | AC109723 Rattus no |
| C | 43 | 45 | 2.8 | 229414 | 2 AC126951 | AC126951 Rattus no |
| C | 44 | 44.8 | 2.8 | 210470 | 2 AC127779 | AC127779 Rattus no |
| C | 45 | 44.4 | 2.8 | 3120 | 9 AF133086 | AF133086 Homo sapi |

ALIGNMENTS

RESULT 1

HSAS34330 .HSAS34330 1607 bp mRNA for Likely Interleukin or Cytokine Receptor 2
LOCUS Homo sapiens mRNA for Likely Interleukin or Cytokine Receptor 2
DEFINITION (LICR2 gene).

ACCESSION AJ534330
VERSION AJ534330.1 GI:26986037
KEYWORDS LICH2 gene; Likely Interleukin or Cytokine Receptor 2.
ORGANISM Homo sapiens (human)

REFERENCE Bukayoya; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Homidae; Homo.

AUTHORS Dumoulin,L., Lejeune,D., Hor,S., Fickenscher,H. and Renaud,J.C.

TITLE Cloning of a new type II cytokine receptor activating signal

| | | BASE COUNT | 335 | a | DRGRTLGHYMAR" | |
|-----------------|---|--|------|---|---------------|---|
| | | | 468 | c | 471 | g |
| | | | | | 289 | t |
| Qy | 1266 | CACCCAGAACTCTCCACCAACCTGAAATTCTCAAGAAGACTCGGGTTCTGGAGAGCTC | 1325 | | | |
| Db | 1261 | CACCCAGAACTCTCCACCAACCTGAAATTCTCAAGAAGACTCGGGTTCTGGAGAGCTC | 1320 | | | |
| Qy | 1326 | CCAGAGATAACCTCTCTCTGGACCACTTACCGGGCCATTCACCGGGCCATCTG | 1385 | | | |
| Db | 1321 | CCAGAGATAACCTCTCTCTGGACCACTTACCGGGCCATTCACCGGGCCATCTG | 1380 | | | |
| Qy | 1386 | GTCCTCTGGGGACCCAGTTCCTCTGGACCACTTACCGGGCCATCTG | 1445 | | | |
| Db | 1381 | GTCCTCTGGGGACCCAGTTCCTCTGGACCACTTACCGGGCCATCTG | 1440 | | | |
| Qy | 1446 | GAGGGAGAGAGGAGGAGGAGGAACTAGAATATGGAGAACGACGAGGACCGATG | 1505 | | | |
| Db | 1441 | GAGGGAGAGAGGAGGAGGAGGAACTAGAATATGGAGAACGACGAGGACCGATG | 1500 | | | |
| Qy | 1506 | GCTGAGACCCAGGAGGACGGACAGGGGGCATCTGGGCATACATGGCGGG | 1565 | | | |
| Db | 1501 | GCTGAGACCCAGGAGGACGGACAGGGGGCATCTGGGCATACATGGCGGG | 1560 | | | |
| Qy | 1566 | TGA 1568 | | | | |
| Db | 1561 | TGA 1563 | | | | |
| RESULT 4 | | | | | | |
| LOCUS | AY129151 | | | | | |
| DEFINITION | Homo sapiens interleukin 28 receptor A (IL28RA) mRNA, complete cds; | | | | | |
| ACCESSION | AY129151 | | | | | |
| VERSION | AY129151.1 | | | | | |
| SOURCE | Homo sapiens (human) | | | | | |
| ORGANISM | Homo sapiens | | | | | |
| JOURNAL | Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Homidae; Homo. | | | | | |
| REFERENCE | 1 (bases 1 to 1563) | | | | | |
| AUTHORS | Sheppard,P.O., Preissel,S.R., Fox,B.A., Gilbert,T., Haldeman,B.A. and Grant,F.J. | | | | | |
| TITLE | IL28RA | | | | | |
| JOURNAL | Unpublished | | | | | |
| REFERENCE | 2 (bases 1 to 1563) | | | | | |
| AUTHORS | Sheppard,P.O., Preissel,S.R., Fox,B.A., Gilbert,T., Haldeman,B.A. and Grant,F.J. | | | | | |
| TITLE | Direct Submission (05-JUL-2002) Bioinformatics, ZymoGenetics, Inc., 1201 Eastlake Avenue East, Seattle, WA 98102, USA | | | | | |
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| | /db_xref="taxon: 9606" | | | | | |
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| | /note="synonym: zcytor19" | | | | | |
| 1..1563 | /gene="IL28RA" | | | | | |
| | /note="alternatively spliced" | | | | | |
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| Qy | 966 | GAACCTTCAGAGGAGGAGAGAGAGAGAGAGAGAGATGCGCTCAGCTC | 1025 | | | |

| | | | | |
|----|------|---|-------------------------|--|
| Qy | 666 | GAGGTCGCCGAGCGAAGCTGGCTTCCGTGCTGCATGCTTGATACTGCGTTA | 725 | LICR2 gene; Likely Interleukin or Cytokine Receptor 2. |
| Db | 661 | GAGGTCGCCGAGCGCAACTGGCTTCCGTGCTGCATGCTTGATACTGCGTTA | 720 | Homo sapiens (human) |
| Qy | 726 | GTAATTGCGCGAGGGGTGTTGATCTGAGAACCTCTGGGAAACCCCTGGTTTCA | 785 | SOURCE |
| Db | 721 | GTAATTGCGCGAGGGGTGTTGATCTGAGAACCTCTGGGAAACCCCTGGTTTCA | 780 | Mammalia; Chordata; Craniata; Vertebrata; Euteleostomi; |
| Qy | 786 | GAAGAGATCCAGGGGCTTGACTTTCTGGACACACACCCCTGGCACCTTCAG | 845 | Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; |
| Db | 781 | GAAGAGATCCACCGGCTT | 800 | Mammalia; Eutheria; Primates; Catarrhini; Hominoidea; Homo; |
| Qy | 846 | CCCAGCAGGCCAGTCGGTGAATGACTTTCCTCTCCCAAAGGACATGACCGA | 905 | REFERENCE |
| Db | 801 | ----- | ----- | 1. Dumoutier, L., Lejeune, D., Hor, S., Pickenscher, H. and Renaud, J.C. |
| Qy | 906 | GGGGTAGCGCCGAGGCTTGACTCAGGGCCACACCCACAGACAGAATGGAG | 965 | AUTHORS |
| Db | 814 | GGGGTAGCGCCGAGGCTTGACTCAGGGCCACACCCACAGACAGAATGGAG | 873 | Cloning of a new type II cytokine receptor activating signal |
| Qy | 966 | GACCTTGCGAGCGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG | 965 | TITLE |
| Db | 874 | GACCTTGCGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG | 933 | transducer and activator of transcription (STAT)1, STAT2 and STAT3 |
| Qy | 1026 | CAGCCCTAATGACCACTCTTCGGGAGAGACAGACAGGCTGGACATCG | 1085 | JOURNAL |
| Db | 934 | CAGCCCTAATGACCACTCTTCGGGAGAGACAGACAGGCTGGACATCG | 993 | for Cancer Research, 74 Avenue Hippocrate, B-1200 Brussels, BELGIUM |
| Qy | 1086 | GAGGCTGGGGGGGAGCTTCAAGAGGAGGAGGAGGAGGAGGAGGAGGAG | 1025 | FEATURES |
| Db | 994 | GAGGCTGGGGGGAGCTTCAAGAGGAGGAGGAGGAGGAGGAGGAGGAG | 993 | gene |
| Qy | 1146 | TCTGCTGTCGATTCCTCAGACAGAAGCTGGCCAGACTGTTGAGGACAG | 1205 | source |
| Db | 1054 | TCTGCTGTCGATTCCTCAGACAGAAGCTGGCCAGACTGTTGAGGACAG | 1113 | 2. (bases 1 to 1476) |
| Qy | 1206 | GCTGGCTCTCTGCTATTGTCGAGAAGGCGAGGCGAGGCGGGTGGGATGG | 1265 | REFERENCE |
| Db | 1114 | GCTGGCTCTCTGCTATTGTCGAGAAGGCGAGGCGAGGCGGGTGGGATGG | 1173 | Renaud, J.C. |
| Qy | 1255 | CACCCAGAATCTTCACACCTGAACTTCCAGGACTGGGGTTCAGAGCTC | 1325 | Direct Submission |
| Db | 1174 | CACCCAGAATCTTCACACCTGAACTTCCAGGACTGGGGTTCAGAGCTC | 1233 | Submitted (06-DEC-2002) Renaud J.C., UCL 74-59, Ludwig Institute |
| Qy | 1326 | CCGAGAATACCTCTCCCTGGGCACTCTGGGAGCTTACCCGAGGAACTG | 1385 | for Cancer Research, 74 Avenue Hippocrate, B-1200 Brussels, BELGIUM |
| Db | 1234 | CCGAGAATACCTCTCCCTGGGAGCTTACCCGAGGAACTG | 1293 | LOCATION/QUALIFIERS |
| Qy | 1386 | GTCCCCGGGACCCCAATTCTCTCAGACACTGACTCTGCTGGAGAGCCCT | 1445 | 1. .-1476 |
| Db | 1294 | GTCCCCGGGACCCCAATTCTCTCAGACACTCTCTGGAGAGCCCT | 1353 | /organism="Homo sapiens" |
| Qy | 1446 | GAGGAGAGAGGGGGATCAAAATGAGGAGGAGGAGGAGGAGGAGGAGG | 1505 | /mol_type="mRNA" |
| Db | 1354 | GAGGAGAGAGGGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG | 1413 | /db_xref="GI:28986040" |
| Qy | 1506 | GCTGAGAGACCCAGGGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG | 1565 | /translational="NAGRPGWGLLULQOAPGRPLAPPONVTLISQNSPVYTLW |
| Db | 1414 | GCTGAGAGACCCAGGGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG | 1473 | PGIGNPODVTVAXOSPTTRREVECACTKELICSMCLQDQDNPKGRVET |
| Qy | 1566 | TGA 1568 | 1476 | VSPSSKPWTESEVSDILYFEVRPVLNTOTELSANATYOLPPCPMPDPGRV |
| Db | 1474 | TGA 1476 | 1476 | ATRKESGAKNLKLPVPHOPVOLIOPASERHHLSARITYTFSPVSKRSKTP |
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| | | | | |
| | | BASE COUNT | 320 a 450 c 442 g 264 t | |
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| | | Query Match | 82.3% | KEYWORDS |
| | | Best Local Similarity | 91.8% | LICR2 gene; Likely Interleukin or |
| | | Matchers | 1468; | Cloning of a new type II cytokine receptor activating signal |
| | | Conservative | 0; | transducer and activator of transcription (STAT)1, STAT2 and STAT3 |
| | | Mismatches | 0; | translational="NAGRPGWGLLULQOAPGRPLAPPONVTLISQNSPVYTLW |
| | | Indels | 132; | PGIGNPODVTVAXOSPTTRREVECACTKELICSMCLQDQDNPKGRVET |
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| | | Conservative | 0; | transducer and activator of transcription (STAT)1, STAT2 and STAT3 |
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| | | Conservative | 0; | transducer and activator of transcription (STAT)1, STAT2 and STAT3 |
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| | | Conservative | 0; | transducer and activator of transcription (STAT)1, STAT2 and STAT3 |
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| | | Query Match | 82.3% | KEYWORDS |
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| | | Query Match | 82.3% | KEYWORDS |
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| | | Matchers | 1468; | Cloning of a new type II cytokine receptor activating signal |
| | | Conservative | 0; | transducer and activator of transcription (STAT)1, STAT2 and STAT3 |
| | | Mismatches | 0; | translational="NAGRPGWGLLULQOAPGRPLAPPONVTLISQNSPVYTLW |
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| | | Query Match | 82.3% | KEYWORDS |
| | | Best Local Similarity | 91.8% | LICR2 gene; Likely Interleukin or |
| | | Matchers | 1468; | Cloning of a new type II cytokine receptor activating signal |
| | | Conservative | 0; | transducer and activator of transcription (STAT)1, STAT2 and STAT3 |
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| | | Query Match | 82.3% | KEYWORDS |
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| | | | | LLEVPGLFWTHTPCCNLHQTVRE |
| | | | | |
| | | Query Match | 82.3% | KEYWORDS |
| | | Best Local Similarity | 91.8% | LICR2 gene; Likely Interleukin or |
| | | Matchers | 1468; | Cloning of a new type II cytokine receptor activating signal |
| | | Conservative | 0; | transducer and activator of transcription (STAT)1, STAT2 and STAT3 |
| | | Mismatches | 0; | translational="NAGRPGWGLLULQOAPGRPLAPPONVTLISQNSPVYTLW |
| | | Indels | 132; | PGIGNPODVTVAXOSPTTRREVECACTKELICSMCLQDQDNPKGRVET |
| | | GapB | 2; | VSPSSKPWTESEVSDILYFEVRPVLNTOTELSANATYOLPPCPMPDPGRV |
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| | | Query Match | 82.3% | KEYWORDS |
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| | | Matchers | 1468; | Cloning of a new type II cytokine receptor activating signal |
| | | Conservative | 0; | transducer and activator of transcription (STAT)1, STAT2 and STAT3 |
| | | Mismatches | 0; | translational="NAGRPGWGLLULQOAPGRPLAPPONVTLISQNSPVYTLW |
| | | Indels | 132; | PGIGNPODVTVAXOSPTTRREVECACTKELICSMCLQDQDNPKGRVET |
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| | | | | ATRKESGAKNLKLPVPHOPVOLIOPASERHHLSARITYTFSPVSKRSKTP |
| | | | | LLEVPGLFWTHTPCCNLHQTVRE |
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| | | Conservative | 0; | transducer and activator of transcription (STAT)1, STAT2 and STAT3 |
| | | Mismatches | 0; | translational="NAGRPGWGLLULQOAPGRPLAPPONVTLISQNSPVYTLW |
| | | Indels | 132; | PGIGNPODVTVAXOSPTTRREVECACTKELICSMCLQDQDNPKGRVET |
| | | GapB | 2; | VSPSSKPWTESEVSDILYFEVRPVLNTOTELSANATYOLPPCPMPDPGRV |
| | | | | ATRKESGAKNLKLPVPHOPVOLIOPASERHHLSARITYTFSPVSKRSKTP |
| | | | | LLEVPGLFWTHTPCCNLHQTVRE |
| | | | | |
| | | Query Match | 82.3% | KEYWORDS |
| | | Best Local Similarity | 91.8% | LICR2 gene; Likely Interleukin or |
| | | Matchers | 1468; | Cloning of a new type II cytokine receptor activating signal |
| | | Conservative | 0; | transducer and activator of transcription (STAT)1, STAT2 and STAT3 |
| | | Mismatches | 0; | translational="NAGRPGWGLLULQOAPGRPLAPPONVTLISQNSPVYTLW |
| | | Indels | 132; | PGIGNPODVTVAXOSPTTRREVECACTKELICSMCLQDQDNPKGRVET |
| | | GapB | 2; | VSPSSKPWTESEVSDILYFEVRPVLNTOTELSANATYOLPPCPMPDPGRV |
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| | | Query Match | 82.3% | KEYWORDS |
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| | | Query Match | 82.3% | KEYWORDS |
| | | Best Local Similarity | 91.8% | LICR2 gene; Likely Interleukin or |
| | | Matchers | 1468; | Cloning of a new type II cytokine receptor activating signal |
| | | Conservative | 0; | transducer and activator of transcription (STAT)1, STAT2 and STAT3 |
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| | | Query Match | 82.3% | KEYWORDS |
| | | Best Local Similarity | 91.8% | LICR2 gene; Likely Interleukin or |
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| | | Query Match | 82.3% | KEYWORDS |
| | | Best Local Similarity | 91.8% | LICR2 gene; Likely Interleukin or |
| | | Matchers | 1468; | Cloning of a new type II cytokine receptor activating signal |
| | | Conservative | 0; | transducer and activator of transcription (STAT)1, STAT2 and STAT3 |
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| Best Local Similarity | 70.7% | Pred. No. 98-191; | Mismatches 417; | Indels 56; |
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| Db | 181 | --AGTATATCAGAACGGTTGGCACCATGGACATGTGGACATGTGGAGGTATCG | 246 | |
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| Db | 239 | TGTGCCCCCTGATGTGGTGAAGAACTGAACTCTGAGTGAAGGGAGTC | 299 | |
| Qy | 307 | GGACGTTCTCCAGCTCCAGTCCCAGTCCCCTGGAGTCCAAATCTGAATTACCTT | 366 | |
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RESULT 11

AY184376

LOCUS AY184376 1608 bp mRNA linear ROD 19-DEC-2002

DEFINITION Mus musculus class II cytokine receptor 12 mRNA, complete cds.

ACCESSION AY184376

VERSION AY184376.1 GI:27261796

KEYWORDS

SOURCE Mus musculus (house mouse)

ORGANISM Mus musculus

Mammalia; Eutheria; Rodentia; Scuturognathini; Muridae; Murinae; Mus.

REFERENCE 1 (bases 1 to 1608)

AUTHORS Kotenko, S. V., Gallagher, G., Baurin, V. V., Lewis-Antes, A., Shen, M., Donnelly, R. P., Langer, J. A., Sheikh, F., Dickensheets, H. and Shah, N. K.

TITLE IFN-λ-binding mediates antiviral protection through a distinct class II cytokine receptor complex

JOURNAL Nat. Immunol. (2002)

REFERENCE 2 (bases 1 to 1608)

AUTHORS Kotenko, S. V.

JOURNAL Submitted (20-Nov-2002) Biochemistry & Molecular Biology, University of Medicine and Dentistry of New Jersey, New Jersey, Medical School, 185 South Orange Avenue, Newark, NJ 07103, USA

FEATURES location, qualifiers

source

1..1608

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 /strain="C57BL/
 /db_xref="taxon:10090"
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 1..1608

/notes="CRF2-12, interferon-lambda (IFN-lambda) receptor 1

CDS

